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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/778,818	02/08/2001	Edlis Ofir	P-3309-US	7716
27130	7590	09/22/2005	EXAMINER	
EITAN, PEARL, LATZER & COHEN ZEDEK LLP 10 ROCKEFELLER PLAZA, SUITE 1001 NEW YORK, NY 10020			GHULAMALI, QUTBUDDIN	
			ART UNIT	PAPER NUMBER
			2637	

DATE MAILED: 09/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 06/30/2005 has been entered.

Response to Arguments

2. Applicant's arguments with respect to claims 1, 10, 15 have been considered but are moot in view of the new ground(s) of rejection.

The rejection (s) based on newly found art follows:

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) The invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Art Unit: 2637

4. Claims 1, 10 and 15 rejected under 35 U.S.C. 102(e) as being anticipated by Tsern et al (USP 6,263,448).

Regarding claims 1, 10 and 15, Tsern, discloses a system wherein method comprises:
performing processing operations at a first clock rate during at least part of a first time period in which signals are received and stored by a Radio Frequency module (col. 1; lines 30-34, 40-51);
and
performing background processing of at least a portion of said received signals at a second, faster clock rate during at least part of a second time period in which said Radio Frequency module is de-activated (col. 4, lines 16-52, 58-67; col. 5, lines 6-15, 25-34, 61-67; col. 6, lines 60-67).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 3-8, 11, 13, 16, and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tsern et al (USP 6,263,448) in view of Challa et al (US Patent 6,453,181).

As per claim 3, Tsern discloses all limitations of the claim except Tsern, does not explicitly show use of CDMA processing of signals in wireless communication system. Challa, however, in a similar filed of endeavor discloses use of CDMA processing of signals in wireless communication system (col. 1, lines 15-25). It would have been obvious to a person of ordinary skill in the art at the time the invention was made to use CDMA processing of signals in wireless

communication system as taught by Challa in the system of Tsern so as to make use of the techniques offered by CDMA slotted paging among communicating stations that helps in conserving power in transmission of signals.

Regarding claim 4, Tsern discloses all limitations of the claim above. Tsern however, does not explicitly show at least one of synchronizing pseudorandom noise (PN) offset of said received signals, searching for at least one neighboring communications cell and searching for at least one candidate communications cell. Challa, in a similar field of endeavor discloses performing at least one of synchronizing pseudorandom noise (PN) offset of said received signals, searching for at least one neighboring communications cell and searching for at least one candidate communications cell (col. 3, lines 7-10; col. 4, lines 46-59; col. 9, lines 17-25). It would have been obvious to a person of ordinary skill in the art at the time the invention was made to use synchronizing pseudorandom noise (PN) offset of said received signals, searching for at least one neighboring communications cell as taught by Challa in the system of Tsern because the use of synchronization cell search can reliably track the elapsed time even during the wake or sleep cycle.

As per claim 5, Tsern discloses all limitations of the claim above except, does not explicitly disclose detecting a current pseudorandom noise (PN) offset of said received signals, and, if different from a previous PN offset, shifting to the current PN offset. Challa in a similar field of endeavor further discloses detecting a current pseudorandom noise (PN) offset in said received signals, and, if different from a previous PN offset, shifting to the current PN offset (col. 2, lines 37-46). It would have been obvious to a person of ordinary skill in the art at the time the invention was made to use pseudorandom noise (PN) offset in said received signals,

and, if different from a previous PN offset, shifting to the current PN offset taught by Challa in the system of Tsern because the use offset in communication of signals can allow precise time correlation of signals and increases timing accuracy.

Regarding claim 6, Tsern discloses all limitations of the claim above except, does not explicitly disclose receiving a carrier during at least part of said second time period. Challa, however, in a similar field of endeavor discloses receiving a carrier during at least part of said second time period (col. 2, lines 37-48). It would have been obvious to a person of ordinary skill in the art at the time the invention was made to use synchronizing pseudorandom noise (PN) offset of said received signals, searching for at least one neighboring communications cell as taught by Challa in the system of Tsern because the use offset in communication of signals can allow precise time correlation of signals and increases timing accuracy.

With reference to claim 7, Tsern discloses all limitations of the claim above except, does not explicitly disclose receiving signal at least one wake period of a slotted mode. Challa, in a similar field of endeavor discloses receiving a carrier during at least one wake period of a slotted mode mode (col. 2, lines 33-46). It would have been obvious to a person of ordinary skill in the art at the time the invention was made to have at least one wake period of a slotted mode as taught by Challa in the system of Tsern because it can provide dynamic operation during paging modes.

As per claim 8, Tsern discloses all limitations of the claim above except, does not explicitly disclose reducing the power consumed during said at least one wake period after receiving said received signals. Challa, in a similar field, of endeavor discloses reducing the power consumed during said at least one wake period after receiving said received signals (col.

Art Unit: 2637

2, lines 17-40; col. 3, lines 1-10). It would have been obvious to a person of ordinary skill in the art at the time the invention was made to reduce power consumed during said at least one wake period after receiving said received signals as taught by Challa in the system of Tsern because it can minimize and conserve the use of power.

Regarding claims 11, 13, 16 and 18, Tsern discloses all limitations of the claim above except, does not explicitly disclose a memory device adapted for storing therein said portion of received signals, and said processor comprises a digital processing unit, wherein said memory device is adapted to input said portion of received signals to said digital processing unit. Challa, in a similar field of endeavor discloses a memory device adapted for storing therein said portion of received signals adapted to input said portion of received signals to said digital processing unit (col. 6, lines 9-23; col. 10, lines 12-38). It would have been obvious to a person of ordinary skill in the art at the time the invention was made to make use of the memory device for storing signals during operation as taught by Challa in the system of Tsern because it can minimize and conserve the use of power.

7. Claim 2, is rejected under 35 U.S.C. 103(a) as being unpatentable over Tsern et al (USP 6,263,448) in view of Butler (US Patent 6,584,313).

Regarding claim 2, Tsern discloses every feature of the claimed invention, but is silent regarding background process operation comprise processing spread spectrum signals. Butler in a similar field of endeavor discloses offline page of monitoring signals as background process operation (scheduled communication) in a spread spectrum communication environment within a CDMA system. Therefore, it would have been obvious to one of ordinary skill in the art at the

Art Unit: 2637

time the invention was made to have signal processing in the background in a multiple access communication system as taught by Butler in the system of Tsern so as to permit spread of information and at the same time conserve power by processing page messages in the background (col. 1, lines 14-24; col. 3, lines 58-67; col. 4, lines 1-9).

8. Claims 12 and 17, are rejected under 35 U.S.C. 103(a) as being unpatentable over Tsern et al (USP 6,263,448) in view Sih et al (US Patent 6,608,858).

Regarding claims 12 and 17, Tsern discloses all limitations of claims 10, 15 highlighted above. Tsern though discloses appropriate memory registers for storing said portion of received signals, Tsern, however, does not explicitly disclose a rake and search engine, wherein said memory device is adapted to input portion of received signals to said rake receiver and search engine. Sih in a similar field of endeavor discloses a rake receiver and searcher engine (searchers), adapted to input portion of received signals to said rake receiver and search engine (searchers) (col. 3, lines 1-14; col. 4, lines 45-67). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use rake receiver with searchers for inputting portion of received signals from memory as taught by Sih in the system of Tsern so as to improve frequency tracking loop and reduce timing errors (col. 11, lines 27-29).

As per claims 14 and 19, Tsern further discloses sampling adapted to receive portion of received signals and to input portion of received signals to memory device (col. 1, lines 31-46; col. 3, lines 41-64).

Conclusion

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US Patents:

Peek et al (USP 3,806,663) shows a radiotelephone subscriber unit transmitting radio frequency signals during radio link-up and various provisions for minimizing power drain on battery.

Shohara et al (USP 6,804,503) discloses communication device with self-calibrating sleep timer.

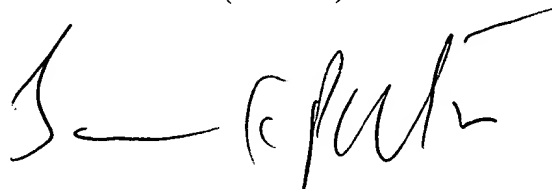
10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Qutub Ghulamali whose telephone number is (571) 272-3014.

The examiner can normally be reached on Monday-Friday from 8:00AM - 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jay Patel can be reached on (571) 272-2988. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

QG.
September 15, 2005.



JAY K. PATEL
SUPERVISORY PATENT EXAMINER